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$CURRICULUM\ VITAE$

Personal

Date of birth 16 December 1972

Citizenship Canadian (250) 721-9792 Home telephone

$University\ Education$

1996-1999	Ph.D.(in progress), Experimental High Energy Particle Physics Supervisor – Michel Lefebvre University of Victoria, Canada
1994-1996	M.Sc., Experimental High Energy Particle Physics Supervisor – James L. Pinfold University of Alberta, Canada
1990-1994	B.Sc. Honours Physics Advisor – George DeMille

University of New Brunswick, Canada

Awards

1997-1999	Natural Sciences and Engineering Research Council
	Post-graduate Scholarship
	University of Victoria, Canada
1997-1999	University President's Scholarship
	University of Victoria, Canada
1996-1997	R.M. Pearce Memorial Fellowship
	University of Victoria, Canada
1996-1997	University of Victoria Fellowship
	University of Victoria, Canada
1995-1996	Province of Alberta Graduate Scholarship
	University of Alberta, Canada

1990-1994	Canada Science Scholarship
	University of New Brunswick, Canada
1990-1994	Tom and Parker Hickey Memorial Scholarship
	University of New Brunswick, Canada
1992,1993	Natural Sciences and Engineering Research
	Council's Undergraduate Research Scholarship
	University of Victoria, Canada

Research Experience

University of Victoria

- Evaluating ATLAS physics potential in single top channels
- Performed analysis of ATLAS Hadronic Endcap Module 0 testbeam data
- Participated in construction of ATLAS Hadronic Endcap module at TRIUMF in Vancouver, Canada
- ATLAS Hadronic Endcap Testbeam Responsibilities:
 - Developed and was responsible for the online monitoring software
 - Developed and was responsible for the offline reconstruction software
 - Responsible for data storage/management
 - On-call expert in monitoring and data management
 - Shift leader during the testbeam run

University of Alberta

- Evaluated ATLAS physics potential for heavy Higgs discovery in $H\rightarrow ZZ\rightarrow lljj$ channel
- Performed Monte Carlo studies to optimize design of Hadronic Endcap for jet resolution in the presence of pileup noise

Teaching Experience

- Supervised summer student, 1998, Department of Physics and Astronomy, University of Victoria
- Teaching Assistant, 1994-1996, Department of Physics, University of Alberta
- Teaching Assistant, 1993-1994, Department of Physics, University of New Brunswick

Talks Given at Professional Conferences

- Numerous presentations to ATLAS working groups at CERN. Presentations of Single Top studies, Hadronic Endcap software and Hadronic Endcap data analysis. For a complete list see http://wwwhep.phys.uvic.ca/~dugan/.
- Western Regional Nuclear and Particle Physics Conference, Lake Louise, Canada. February 1999. "The Physics of Single Top at ATLAS".
- ATLAS Hadronic Endcap Calorimeter Workshop at Ringberg Castle, Ringberg Castle, Germany. September 1998. "Hadronic Endcap Testbeam Results: 1998 Module Zero Tests".
- Western Regional Nuclear and Particle Physics Conference, Lake Louise, Canada. February 1997. "Heavy Higgs Reconstruction from $H \to ZZ \to llij$ at ATLAS".

References

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Publications

- 1. Oberlack, Oram et al., ATLAS Hadronic Endcap Module 0 Testbeam Performance, Nuclear Instruments and Methods (in progress).
- 2. M. Lefebvre, D. O'Neil, Endcap Hadronic Calorimeter Offline Testbeam Software: The hec_adc Package Version 3.6, ATLAS-LARG-99-002.
- 3. M. Dobbs, M. Lefebvre, D. O'Neil, Hadronic Endcap Modules Zero Pion and Electron Energy Scan Analysis from April 1998 Testbeam Data, ATLAS-LARG-99-001.

- 4. ATLAS-HEC Collaboration, Electron and Pion Test Beam Data Analysis of the Hadronic $End cap\ Prototype\ Calorimeter.,\ ATLAS-LARG-95.$
- 5. Robert Davis, Dugan O'Neil and Pierre Savard, Energy Resolution of Jets in the Presence of Pileup Noise in the Endcap Calorimetry, ATLAS-CAL-96-089.